

SEQUENCE LISTING

<110> Schmidt, Brian

Chen, Tseng-hui

<120> Novel Leader Peptides for Enhancing Secretion of Recombinant Protein
from a Host Cell

<130> COUL-012-01

<150> US 60/209,517

<151> 2000-06-05

<160> 25

<170> PatentIn version 3.0

<210> 1

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 1

Met Ala Lys Lys Asn Ser Thr Leu Leu Val Ala Val Ala Ala Leu Ile
1 5 10 15

Phe Met Ala Gly Arg Ala Asn Ala
20

<210> 2

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 2

Met Ala Lys Lys Asn Ser Thr Leu Leu Val Ala Val Ala Ala Leu Ile
1 5 10 15

Met Phe Thr Gln Pro Ala Asn Ala
20

<210> 3

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 3

Met Gly Lys Lys Gln Thr Ala Val Ala Phe Ala Leu Ala Leu Leu Ala
1 5 10 15

Leu Ser Met Thr Pro Ala Tyr Ala
20

<210> 4

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 4

Met Gly Arg Lys Gln Thr Ala Val Ala Phe Ala Leu Ala Leu Leu Ser
1 5 10 15

Leu Ala Phe Thr Asn Ala Tyr Ala
20

<210> 5

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 5
accggttttt ttgggctaac aggaggaatt aaccatggct aaaaagaact ccaccctgct 60
cgttgcagta gctgcgctga tcttcatggc cggaagggcc aacgct 106

<210> 6

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 6
accggttttt ttgggctaac aggaggaatt aaccatggct aaaaagaact ccaccctgct 60
cgttgcagta gctgcgctta tcatgttcac tcagccggcg aacgct 106

<210> 7

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 7

accgcgttttt ttgggctaac aggaggaatt aaccatgggt aagaaacaga ccgctgttgc 60

attcgctctg gcgctcctgg ctctttctat gaccccggcg tacgct 106

<210> 8

<211> 106

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 8

accgcgttttt ttgggctaac aggaggaatt aaccatgggt cgtaaacaga ccgcagtagc 60

attcgctctt gcgctgcttt ctctcgcttt caccaacgcg tacgct 106

<210> 9

<211> 74

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 9

ccatggctaa aaagaactcc accctgctcg ttgcagtagc tgcgctgac ttcatggccg 60

gaagggccaa cgct 74

<210> 10

<211> 74

[illegible]

<210> 13
 <211> 74
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic

<400> 13
 ccatgggtaa gaaacagacc gctgttgcat tcgctctggc gctcctgtct cttgctttca 60
 ccccggcgta cgct 74

<210> 14
 <211> 24
 <212> PRT
 <213> Artificial

<220>
 <223> synthetic peptide

<400> 14
 Met Gly Lys Lys Gln Thr Ala Val Ala Phe Ala Leu Ala Leu Leu Ser
 1 5 10 15
 Leu Ala Phe Thr Pro Ala Tyr Ala
 20

<210> 15
 <211> 74
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic
 <400> 15

<211> 22

<212> PRT

<213> Erwinia carotovora

<400> 19

Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala
1 5 10 15

Ala Gln Pro Ala Asn Ala
20

<210> 20

<211> 65

<212> DNA

<213> Escherichia coli

<400> 20
ccatgaaaaa gacagctatc gcgattgcag tggcactggc tggtttcgct accgtagcgc 60
aggcc 65

<210> 21

<211> 21

<212> PRT

<213> Escherichia coli

<400> 21

Met Lys Lys Thr Ala Ile Ala Ile Ala Val Ala Leu Ala Gly Phe Ala
1 5 10 15

Thr Val Ala Gln Ala
20

<210> 22

<211> 33

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 22
accgcgtttt tgggctaaca ggaggaatta acc

33

<210> 23

<211> 24

<212> PRT

<213> Artificial

<220>

<223> synthetic peptide

<400> 23

Met Ala Lys Lys Asn Ser Thr Leu Leu Val Ala Val Ala Ala Leu Ile
1 5 10 15

Phe Met Ala Gly Arg Ala Leu Ala
20

<210> 24

<211> 72

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 24
atggctaataa agaactccac cctgctcggt gcagtagctg cgctgatctt catggccgga
agggccttgg cc

60

72

<210> 25

<211> 16

<212> DNA

<213> Artificial

<220>

<223> synthetic

<400> 25

taatgaattc aagctt

16